VENTILATION—PURE AIR.

Sheringham's Ventilator, for the admission of pure air through an

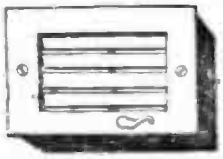
EXTERNAL WALL.

With single pulley, from 6s. each; with leading pulley, from 8s. 6d.

These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HAYWARD, BROTHERS, and Manufacturers, 138, Blackfriars-road, and 117, Caledonian-road, Islington, and of all respectable ironmongers, builders, &c.

A PRIZE MEDAL for SUPERIOR LOCKS was awarded to J. M. BARBIER at the Great Exhibition of 1851.

REGISTERED VENETIAN VENTILATOR.



For admission of external air or carrying off impure air from rooms, from 6s. 6d. each.—Class 23, Great Exhibition.

J. H. BARBIER and CO., Ironmongers, Brass Founders, Nail and Tool Warehouse, 14, Stanhope-street, Clare-market, London. Established nearly 200 years for the sale of goods from the best manufactories at the lowest prices.

MOORE'S PATENT MOVEABLE GLASS VENTILATOR.

For Windows, Partitions, Stall-ing, Greenhouses, &c. and for exportation made to any Size and Form, from 10s and upwards.

The greatest amount of ventilation is obtained without draught, and it can be adjusted to any quantity.

For removing steam from windows, and smoke from rooms, it is most effectual.

List of Prices may be obtained by applicat on.

N.B. A Working Model forwarded by post, upon receipt of 10s. which will be returned upon receipt of Order.

Ventilators on an improved principle for Chimneys, Air-Flues, &c.

MANUFACTORY, in and in Clerkenwell Close, London.

Church and House Clock Makers to the Honourable Board of Ordnance, the Russian Government, and the Emperor of China.

Number of Church Clocks made by the above Firm, 310; ditto House Clocks, 1,400.

CUNDY'S PATENT PRIZE STOVE.—W. HOLMES, late of 123, Oxford-street, begs to announce that he has transferred the license for manufacturing the above Stoves to Messrs. CUTLER and SONS, 14, Great Queen-street, Lincoln's-inn, where a large assortment is always kept on sale, Open Fire-way Air-warming Stoves, suitable for churches, board-rooms, public offices, halls, and other rooms of all dimensions, and Smoke-consuming Register Stoves, which are guaranteed a perfect Cure for smoky chimneys.

GREAT EXHIBITION.—DRAWING-ROOM GRATES and FENDERS to which the GREAT or COUNCIL MEDAL was AWARDED.

J. L. BENHAM and SONS beg to intimate that those beautiful Stoves and Fenders which were so generally admired for their artistic design and elaborate workmanship, are now on view in their EXTENSIVE SHOW-ROOMS, and respectfully invite ARCHITECTS and others engaged in Building to inspect them there.

WARM AIR STOVES for CHURCHES, HALLS, &c. &c., simple in construction, ornamental in design, and thoroughly effective, of various sizes and prices.

J. L. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING APPARATUS awarded to J. L. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of 50lb. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these excellent and economical Ranges, and also of the most improved Boiling Stoves, Hot Closet, Hot Tables, Ovens, &c. &c., as lately exhibited in HYDE PARK, may be inspected at the MANUFACTORY and SHOW-ROOMS. A Gas Cooking Apparatus is in daily operation.

J. L. BENHAM and SONS, Stove, Range, and Bath Manufacturers, Hot-water and Gas Engineers, &c., 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

GREAT EXHIBITION PRIZES.—First Prize, KITCHEN RANGE, with Medal of Special Approbation, by Royal Letters Patent.—SIDNEY PLAVEL begs to inform the nobility, gentry, and public that he has had the honour of being chosen as the only exhibitor of Kitchen Ranges entitled to a Medal of Special Approbation. The Range, as shown during the Great Exhibition, may be seen daily at 93, Jermyn-street, St. James's, London; and at his Manufactory, Portland-terrace, Leamington Priors.—JOSHUA HARRISON, Manager.

NEW and CHEERFUL REGISTER STOVE.—The ACME REGISTER STOVE, invented, and registered by WILLIAM S. BURTON, combines in its use cheerfulness, cleanliness, and economy to a degree hitherto deemed unattainable; while its simple beauty obtained partly by the employment of a graceful shell in lieu of the cumbersome and unsightly hood is the subject of general commendation. Price from 6l. to 6l. To be seen in use daily in his show-rooms, where also may be seen

250 STOVES and 325 FENDERS,

all differing in pattern, forming the largest assortment ever collected together. They are marked in plain figures, and at prices proportionate with those that have tended to make his establishment the most distinguished in this country. Bright stoves, with bronzed ornaments and two sets of bars, 2l. 12s. to 5l. 15s.; ditto with ormolu ornaments and two sets of bars, 3l. 15s. to 12l. 12s.; bronzed fenders complete, with standards, from 7s. to 3l.; steel fenders, from 1l. 5s. to 6l.; ditto, with rich ormolu ornaments, from 2l. 12s. to 7l. 7s.; fire-irons, from 1s. 6d. the set to 4l. 4s. Fireside and all other patent stoves, with radiating hearth plates, and kitchen ranges, which he is enabled to sell at these very reduced charges.—

First.—From the frequency and extent of his purchases; and, Secondly.—From those purchases being made exclusively for cash.

WILLIAM S. BURTON has completed some extensive alterations in his premises, by which he has TEN LARGE SHOW-ROOMS (all communicating), exclusive of the shop, devoted solely to the show of GENERAL FURNISHING IRONMONGERY, including cutlery, nickel silver, plated and japanned wares, and iron and brass bedsteads, so arranged and classified that purchasers may easily and at once make their selections.

Catalogues, with engravings sent (per post) free. The money returned for every article not approved of.

39, OXFORD-STREET (corner of Newman-street); Nos. 1 and 2, NEWMAN-STREET; and 4 and 4A, PERRY'S-PLACE.

Established A.D. 1820.

NOIRSAINS' VENTILATING GRATES and STOVES.—A long sought-for desideratum at last obtained. Great Economy in Fuel.—entire Prevention of Smoking in Chimneys and Perfect Regulation of the Temperature of Rooms effected by the new Ventilating Grates, which may be applied to any fire-place.

The Proprietors solicit the attention of the public and scientific men to the general approbation—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, KING-ST.-WEST, to any number. The highest testimonials given. Prices, from Two Guineas upwards. H. KIDD, Agent.

THE FAMILY GAS COOKING APPARATUS will cook a dinner for six for only one penny, with less than the ordinary trouble and in a superior manner. The apparatus need not be permanently fixed, but may be attached in a moment with flexible tubing, detached, and placed in a closet until wanted again. The Cabriolet Bath, heated by gas in an extraordinarily short time, and other useful and economical applications of gas-heat, may be seen at CHARLES RICKETT'S manufactory, 5, Arundel-street, Strand, fronting Charing-cross Hospital. Cooking exhibited all the year, o'clock every Monday.

WARMING by HOT WATER.—J. WEEKS and CO., King's-road, Chelsea.—A great variety of pain and ornamental apparatuses, consisting of Pelocastra, and Hooks of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive carriage repository, Hollin-street, Hyde-park-corner.

WARMING and VENTILATION.—D. and E. BAILEY, 374, Holborn, having had many years' experience in Warming Buildings by Hot Water, continue to erect HOT-WATER APPARATUS on the most improved principles for Mansions, Conservatories, and other Horticultural Buildings; and they also erect Conservatories, Hothouses, &c., in wood or metal. D. and E. BAILEY invite the public to an inspection of their stock of Stoves, Fenders, Fire-irons, &c., as well as a most complete and economical Portable Cooking Apparatus, or "Cottager's Stove," equally suitable for Cottages, Shooting-lodges, Yachts, or for persons emigrating.

Dr. Arnott's Ventilating Valve.

CALORIFERE.—Gold Medal at the Paris Exhibition, 1855.—Patent Apparatus for Heating and Ventilating, by Hot Air only, every description of buildings, and for desiccating every sort of materials, linens and clothes. The following are the results:—

No. 1, burning 3 lb. of coal per hour, produces	10,000	cubic feet of Hot Air, 310 Fahr.
No. 2, burning 14 lb. of coal per hour, produces	30,000	" " "
No. 3, burning 20 lb. of coal per hour, produces	300,000	" " "

The atmosphere without being at 30 Fahr. J. BOILEVE, Civil Engineer, guarantees all the above-named results; he shows every day at his Counting-house the smallest number, as well as a list of persons who have given him the most flattering testimonials of its efficiency and cheapness among them, MM. Vuroum de Gisors, Architects, in Paris; Koechlin, Dreyfus, & Alfroz-mieg; Grau-odier Roman, Schlumberger, Haesman, Spinners, Manufacturers, &c.—Apply to J. BOILEVE, 147, Fenchurch-street, London.

COPPER BOILERS, of various Shapes, for HEATING BATHS and CONSERVATORIES.

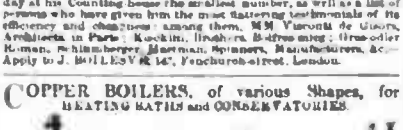


Fig. 1. Fig. 2. Fig. 3. Fig. 4.

Fig. 1. TYLOR'S IMPROVED COPPER CIRCULATING BATH BOILER, on Iron Frame complete for fixing.—Fig. 2. COPPER RIVETTED ARCH TOP BOILER for large Greenhouses or Public Buildings, from four to forty gallons.—Fig. 3. DOME-TOP COPPERS, with draw-off Cocks, for Public Baths, from fifteen to one hundred and fifty gallons.—Fig. 4. TINNED COPPER COIL PIPES for HEATING BATHS, for passing Water through the Kitchen Range Boiler.—Apply to Ironmongers or Plumbers, or to the Manufacturers, J. TYLOR and SON, Warwick-lane, London.

FULKE'S IRONMONGERY and STOVE WAREHOUSE,

91 and 92, Park-street, Camden-town.

Elliptic stoves, 4-table backs, 24d. 30d. and 36d. per inch.
Register ditto ditto 45d. 54d. 64d. and 72d. per inch.
Cast iron nails, 3s. 3d. per cwt. Cut ditto, 12s. 3d. per cwt.
Cut clasp nails, 11in. 14s.; 10 in. 12s. 6d.; 9in. 12s. per cwt.
R pins, 4s. 6d. per cwt.
All descriptions of stoves, ranges, locks, rain-water-pipes, sash-weights, sash-line, at equally low prices.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-acting Cottage Ranges,	20	25	30	36 inch.
with Large Oven and Boiler	30s.	35s.	42s.	50s.
Best Self-acting Ranges, with Oven and	34	36	38	48 inch.
Back Boiler, Bright Wrought Bars	34s.	36s.	38s.	45s.

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 2½d.

Kent-ter Stoves, with Solid Bars, per inch, 5d. Best Solar ditto, with Fire Brick Back, per inch, 10d.

Bright Stoves, with Two Pires, 9s. to 20s. each.

Cast Rain-water Pipe	3	3 inch.
	7d.	1s. per yard.
Cast Gutters	4 inch, 6d. per yard.	
	4	4½ inch.
	11d.	1s. per yard.
Best Cut Clasp	11	12	3 inch.
and Rose	14s. 6d.	13s. 6d.	12s. 6d.	12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

1-inch Cut Lath, 1s. 6d. Cast Lath, 3s. 6d.

Patent Line	3	5	6	5	6
	4½d.	5d.	7d.	8d.	1s. per knot.

6 inch 3-Bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 3s. each. Light Elliptic cast line of Metal, 12s. per cwt.

Dr. Arnott's Ventilators, 4s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, respectfully invites the above Trades to the inspection of his immense stock of Ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.

Elliptic Stoves, 4-table backs,
24d. per inch, and upwards.

Register Stoves, 45d. 54. 6d. 64d. 72d. per inch.

Self-acting Ranges, with circular flues and back boilers, best wrought bars and bright fittings:—

3 ft., 3l. 10s.; 3 ft. 6 in., 3l. 15s.; 4 ft., 4l. 15s.

3-feet Cottage Ranges, with ovens and back boilers, 35s. each.

3-feet self-acting ditto, ditto, 30s. each.

Air Bricks, 3s. 3d. per doz.

1-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasp

11	11	3	3½	3 inch and larger.
14s. 6d.	14s.	13s.	12s. 6d.	12s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

Best Town Glue, 35s. Ditto, 6 inch, 32s. per cwt.

Best Patent Sash Line.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross

List of Prices had on application at the Warehouse, or by letter prepaid.

TO BUILDERS, &c.

WHOLESALE IRONMONGERY WAREHOUSES, BIRMINGHAM.

RAPPLEBECK and LOWE, Manufacturers, answer their numerous list of Prices of a few leading articles, of good quality, of which they can execute orders on receipt for cash:—

Cut Clasp Nails	3	4	5	6	7	8	12s. per cwt.
	6d.	8d.	9d.	10d.	11d.	12d.	14d. per cwt.

Cut Floor Brads, 6s. 3d. per cwt.

Tower Bolts (good)	1s. 6d.	2s.	2s. 3d.	2s. 6d.	3s.	3s. 6d.	4s. per doz.
	4	5	6	7	8	9	10 in.
Norfolk Latches	3in.	3½in.	4in.	4½in.	5in.	6in.	per doz.
	1s.	2	3	4	5	6	
Cast Butt	2½	3½	4s. 6d.	5s. 6d.	7s. 6d.	9s.	per doz. pairs
Hinges	1s.	2	3	3½	4	4½	in.

Iron Frame Pullies { 7s. 6d. 10s. 14s. per gross.
2½ 3 3½ in.

Fine Plate Locks { 7s. 9s. 10s. 6d. 12s. per doz.
6 7 8 9 10 in.

Patent Sash Line { 4s. 5s. 6d. 6s. 6d. 7s. 6d. 9s. 6d. per gross
6 7 8 9 10

Wrought Tee Hinges { 4s. 5s. 6d. 8s. 9s. 6d. 12s. per doz. pairs
8 10 12 14 16 in.

Ajustable Ventilators, 3s. 6d. each.

A general builder's list of prices forwarded on application. Goods delivered in London, Liverpool, Manchester, and Bristol, at per cent. Shipping orders on the shortest notice.

NAILS and IRONMONGERY from BIRMINGHAM direct.

Builders, Contractors, and Others, supplied with Nails, Iron, and Ironmongery of every description, at the

LOWEST BIRMINGHAM PRICES

a complete LIST of which will be forwarded upon application.

FREDERICK BLYTH,

Nail Manufacturer and General Factor,

Edmund-street, BIRMINGHAM;

or, at 17, Gresham-street West, LONDON.

LOSH, WILSON, and BELL, NEWCASTLE-ON-TYNE,

Manufacturers of Bar Iron, Railway Bars, Forge and Engine Work, Cast-Iron Goods, and

STEWART'S PATENT CAST-IRON GAS and WATER PIPES

Office, No. 7, Bloomsbury-square, London.

TO BUILDERS AND THE TRADE.

CASTINGS, RAIN-WATER PIPE, GUTTERING, SASH-WEIGHTS, &c.

Iron Rain-water Pipe	2	2½	3	3½	inch.
	8d.	10d.	1s. 1d.	1s. 4d.	per yard.
Half Round Gutter	3	3½	4	4½	inch
	7d.	7½d.	8d.	9d.	per yard.

Sash-weights, 3s. per cwt. Air Bricks, 3s. 6d. per dozen.

Underground Pipe, 4s. 6d. per cwt.

A large stock of CASTINGS and WROUGHT-IRON WORK for BUILDING and other purposes, at equally low prices, consisting of—

GIRDERS AND COLUMNS,	STENCH-TRAPS
RAILING AND STAIRCASE BARS,	SKYLIGHTS,
BALUSTRES AND BALCONETTS,	WASHERS, WROUGHT AND CAST,
CANTILEVRES AND BRACKETS,	STOVES, ALL DESCRIPTIONS,
FURNACE BARS AND GRATINGS,	COPINGS FOR WALLS,
LAMP POSTS,	MANGERS,
PUMPS,	HAT RACKS,
COLE-HOLE PLATES AND SCRAPERS,	SUPPLY CISTERNS,
	FIREPROOF DOORS,
	TANKS, &c. &c. &c.

Every article in the trade kept in stock. An extensive assortment of patterns for both PLAIN and ORNAMENTAL CASTINGS, and every description of WROUGHT-IRON WORK.

ESTIMATES on application or by post.

CUTTAM AND HALLEN,

IRON WORKS, 3, WESLEY-STREET, OXFORD-STREET, AND CORNWALL-ROAD, LAMBETH.

STEPHENSON and PEILL, 61, Gracechurch-street, London, and 17, New Park-street, Southwark, Manufacturers of SUPER CYLINDRICAL and improved CONICAL IRON BOILERS, and Conservatory and Hot-house Builders, either in wood or iron, respectfully invite the attention of the nobility, gentry, and nurserymen to their simple but efficacious method of warming horticultural and other buildings by Hot Water. From the extensive works they have executed references of the highest respectability can be given, and full particulars furnished on application.

PRIZE MEDAL of the Great Exhibition to HART and SONS, MANUFACTURING IRONMONGERS, for the excellence of their

DOOR FURNITURE and FINGER PLATES.

HART and SONS invite the attention of Architects, Builders, and others, to the superior quality of their DOOR FURNITURE in PLAIN and DECORATED CHINA, CRYSTAL, AMMEL, OPAL GLASS, EBONY, MAPLE, BUFFALO HORN, &c. &c., and to the saving resulting from the use of it, in doors moulded with PITT'S PATENT SELF-ADJUSTING SPINDLES, applicable to doors of any thickness without alteration.

HART and SONS also invite attention to their stock of Locks, Mortice, Rim, Cabinet, &c., BRASS FOUNDRY and BELL-HANGING materials and GENERAL IRONMONGERY, especially to their DR. ARNOTT'S VENTILATING CHIMNEY VALVES, to the manufacture of which they give particular attention. They have in stock a great variety of sizes and style finish, the prices of which may be obtained on application at their MANUFACTORY, 33, 34, and 35, WYCH-STREET, STRAND.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO., 65, 66, Bridge-road, Lambeth, where a great variety are always in view for church, park, railroad, coachhouse, and other gate, doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and superior rate hasps-and-staples, of moderate price. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work for building and other purposes. Engines, machinery, patent ploughs, sugar-mills, &c.

FOUNDRY AND IRON WORKS.

63, DRURY-LANE, and CHARLES-STREET, DRURY-LANE

GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION either ornamental or ornamental.

Patterns of Girders, Columns, Balconies, Railing, Ornamental Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Lathes, and Steam-engines; Range and Hot-plate Metal. An improved Soot Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and O.G. Gutters, Air-bricks, Sash Weights, Air-tight Sewer Gratings, Stable Fittings, Hardles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Doors, Rook-safes and Strong Rooms, Tanks and Boilers, and every description of Iron-work to specification, and the work executed with every attention to quality and despatch.

GLOVERS' IRON WORKS,

63, DRURY-LANE, and CHARLES-STREET.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES, having made great additions to his STOCK of PATTERNS, begs to inform the Trade that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Stanchions, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Candles, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Holes, &c.

BAKERS' OVEN WORK, Forge Racks and Trowels, Rain-Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c. always in stock.

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